



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : TAKESHI SANO  
Serial No.: 09/586,656  
Filed : June 30, 2000  
For : SEMICONDUCTOR LIGHT EMITTING  
DEVICE RESISTIBLE TO ULTRA-  
VIOLET LIGHT

Docket No.: 00-371

Examiner : M.P. Hodges

Art Unit : 2879

Suite 1201  
900 Chapel Street  
New Haven, CT 06510-2802

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents & Trademarks  
United States Patent & Trademark Office  
Washington, D.C. 20231

Dear Sir:

In accordance with the requirements of 37 CFR 1.97 and 1.98, Applicant hereby submits the prior art listed hereinbelow, copies enclosed, which prior art was cited in the corresponding Japanese application.

- (1) Japanese Patent No. 2,924,961 entitled SEMICONDUCTOR LIGHT EMITTING DEVICE AND MANUFACTURE THEREOF, by Takeshi Sano, published July 30, 1999 (Application No. 10-6423 filed January 16, 1998). The document is in Japanese; however, the following is an English translation of claim 1. The patent discloses a semiconductor light emitting device comprising a pair of wiring leads, a semiconductor light emitting element

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secured to an end of the wiring leads, and a light permeable glass layer for covering said semiconductor light emitting device; said glass layer having a permeability of light irradiated from said semiconductor light emitting element; said glass layer comprising fluorescent materials to absorb the light projected from the semiconductor light emitting element and convert wavelength of the received light into difference wavelength; and said glass layer being formed by baking glass material to tightly and strongly bond the glass layer to the semiconductor light emitting element and one of the wiring leads, said glass material comprising a metal alcoxide or a ceramic precursor polymer.

- (2) Japanese Patent No. 3,275,308 entitled SEMICONDUCTOR LIGHT EMITTING DEVICE AND MANUFACTURE THEREOF, By Takeshi Sano, published October 24, 2000 (Application No. 11-105860 filed April 13, 1999). The document is in Japanese; however, the following is an English translation of claim 1. The patent discloses a semiconductor light emitting device comprising first and second external terminals, a semiconductor light emitting element with electrodes electrically connected

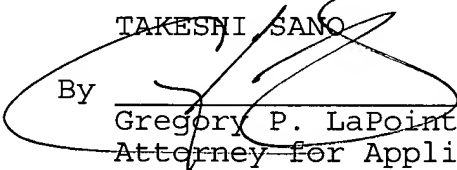
to said first and second external terminals, and a first coating material for encapsulating the semiconductor light emitting element and each end of the first and second external terminals in the vicinity of the semiconductor light emitting element; the semiconductor light emitting element being directly covered with a second coating material of a glass material which is formed by solidifying a metal alcoxide, a ceramic precursor polymer or a solution containing a metal alcoxide or combined solution thereof in accordance with the sol-gel technique for hydrolysis and polymerization; the second coating material having a permeability of the light irradiated from the semiconductor light emitting element; and the second coating material being covered with the first coating material.

The undersigned submits the above-identified references for independent consideration by the Examiner and does not make any admission that these references are or are not material to the present invention or that these references are or are not prior art with respect to the present invention.

Respectfully submitted,

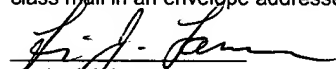
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Date: May 5, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313" on May 5, 2003.

  
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Lori J. Larson

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Approved for use through 10/31/2002. OMB 0651-0031

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Application Number

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First Named Inventor

Sano

Group Art Unit

2879

Examiner Name

M.P. Hodges

Attorney Docket Number

00-371

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2007-07-17

**Examiner  
Signature**

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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